AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions of claims in the application:

LISTING OF CLAIMS:

- 1. (PREVIOUSLY PRESENTED) A magnetic disk drive system having a disk and a slider, an outer surface of the disk having a surface microwaviness (Wq) of about 3 angstroms or less at a scale of about 200 microns and higher along the disk surface, and a surface roughness (Rq) of about 4.5 angstroms or more at a scale along the disk surface of less than about a length of a pad of the slider carrying a head for writing to the disk.
- (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk
 has a surface roughness of about 4.5 angstroms or more at a scale of less than
 about 200 microns.
- (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk
 has a surface roughness of about 4.5 angstroms or more at a scale of less than
 about 100 microns.
- 4. (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk has a surface microwaviness of about 3 angstroms or less at a scale of between about 500 and 1000 microns.
- (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk
 has a surface roughness of less than about 4.5Å at a scale of about 5 microns or
 less.

- 6. (CANCELED)
- 7. (CANCELED)
- (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the slider flies at a fly height of about 5 nanometers or less from the disk surface.
- 9. (PREVIOUSLY PRESENTED) A magnetic disk having a surface microwaviness (Wq) of about 3 angstroms or less at a scale on the disk surface of about 200 microns and higher, and a surface roughness (Rq) defined by an average distance of about 4.5 angstroms or more at a scale along the disk surface of less than or equal to about 100 microns.
- 10. (CURRENTLY AMENDED) A disk as recited in claim 9, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 200 100 microns and greater than about 10 microns.
- 11. (CURRENTLY AMENDED) A disk as recited in claim 9, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 100 microns and greater than about 10 microns.
- 12. (PREVIOUSLY PRESENTED) A disk as recited in claim 9, wherein the disk has a surface microwaviness of about 3 angstroms or less at a scale of between about 500 and 1000 microns.
- 13. (CURRENTLY AMENDED) A disk as recited in claim 9, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 100 microns and greater than about 10 microns, wherein the disk has a low

surface roughness distinct from Rq of less than about 4.5 angstroms at a scale of about 5 microns or less.

- 14. (PREVIOUSLY PRESENTED) A system as recited in claim 15, wherein the slider flies at a fly height of about 5 nanometers or less from the disk surface.
- 15. (PREVIOUSLY PRESENTED) A magnetic storage system, comprising:
 a magnetic disk;
 at least one head for reading from and writing to the magnetic media;
 a slider for supporting the head, the slider having a pad; and
 a control unit coupled to the head for controlling operation of the head;
 wherein an outer surface of the disk has a surface microwaviness (Wq) of about
 3 angstroms or less at a scale of about 500 microns and higher along the
 disk surface, and a surface roughness (Rq) of about 4.5 angstroms or
 more at a scale of less than about a length of the pad of the slider.